

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A method of transmitting Ethernet data frames from a first local area network (LAN) to a second local area network (LAN) comprising the steps of :
 - mapping Ethernet frames from the first local area network onto a Plesiochronous Digital Hierarchy (PDH) data stream via Generic Framing Procedure (GFP),
 - transmitting said mapped Ethernet frames via a first En-network to an SDH-level network,
 - receiving the transmission at the second local area network through the SDH-level network ,
 - demapping the Ethernet frames from the first local area network via Generic Framing Procedure, and transmitting said demapped frames into the second local area network.
2. (Original) The method of claim 1, according to which said mapping is carried out at a junction point between the first Ethernet LAN and a first En-network.
3. (Currently Amended) The method of ~~any of claims~~claim 1 or 2, according to which said demapping is carried out at a junction point between the second En-network and the second Ethernet LAN.

4. (Currently Amended) The method of ~~any of the previous claims~~ claim 1, according to which the transport of the GFP frames through the SDH-network is carried out by means of so called virtual containers, VCx-containers.

5. (Currently Amended) A system for transmitting Ethernet data frames from a first local area network ~~(110)~~ to a second local area network, comprising :
- means ~~(130)~~ for mapping Ethernet frames from the first local area network onto Plesiochronous Digital Hierarchy format via Generic Framing Procedure (GFP),
- means ~~(140)~~ for transmitting said mapped Ethernet frames via a first En-network to an PDH-level network.

6. (Currently Amended) The system of claim 5, additionally comprising means for:
- receiving ~~(140')~~ the transmission at the second local area network through the SDH-level network via a second En-network,
- demapping ~~(130')~~ the Ethernet frames from the first local area network via Generic Framing Procedure, and transmitting said demapped frames into the second local area network.

7. (Currently Amended) The system of claim 5 ~~or 6~~, in which the means for said mapping is arranged at a junction point between the first Ethernet LAN and a first En-network.

8. (Currently Amended) The method of ~~any of claims~~claim ~~6 or 7~~, according to which said means for demapping is arranged at a junction point between the second En-network and the second Ethernet LAN.

9. (Currently Amended) The system of ~~any of claims~~claim ~~5-8~~, in which the transport of the GFP frames through the SDH-network is carried out by means of so called virtual containers, VCx-containers.